

Patent Abstracts of Japan

PUBLICATION NUMBER : 60162574
PUBLICATION DATE : 24-08-85

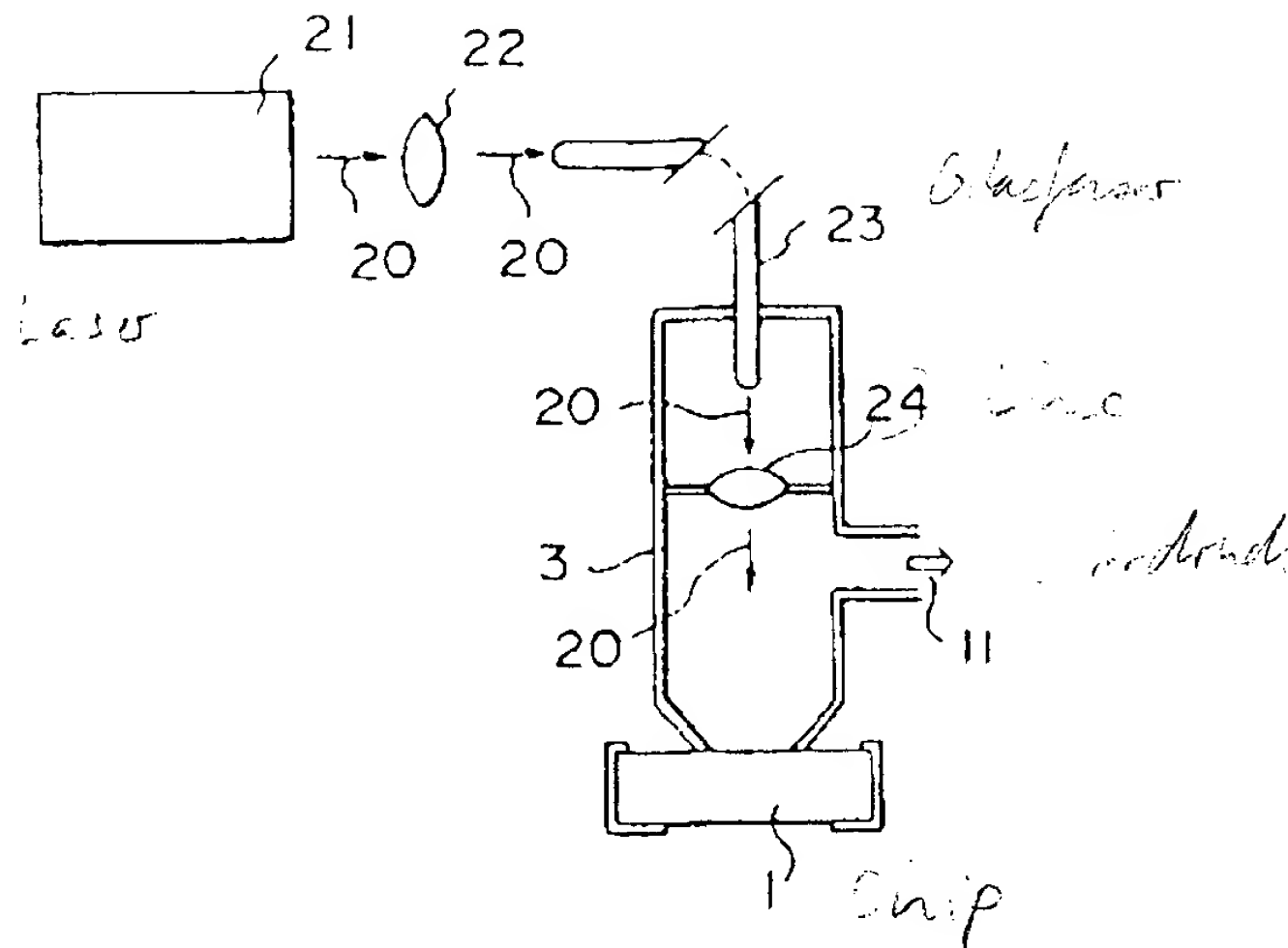
APPLICATION DATE : 06-02-84
APPLICATION NUMBER : 59018214

APPLICANT : CANON INC;

INVENTOR : TAKABAYASHI HIROSHI;

INT.CL. : B23K 3/04

TITLE : LASER SOLDERING DEVICE



ABSTRACT : PURPOSE: To simplify a titled device and to reduce the time required for soldering by enabling integral movement of a means for conveying and disposing electrical parts to a soldering position and a laser heating means and performing preliminary heating and normal heating.

CONSTITUTION: A vacuum suction part 11 connecting to a vacuum device for attracting a chip part 1 is provided to a conveying member 3 and an optical fiber 23 and a lens 24 are unified to the member 3 so that the laser light 20 outputted from a laser oscillator 21 is irradiated via a lens 22, the fiber 23 and the lens 24 to the part 1. Preliminary heating of the part 1 by the laser light 20 is thus made possible while said part is conveyed and disposed by the member 3, by which soldering is made easy.

COPYRIGHT: (C) JPO